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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Applicants: Moslehi and Hernandez

Title: Fiber Optic Filter with Tunable Grating

S/N: n/a

Filed: Dec 3, 2003

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INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 CFR 1.97(c), the following information is
20 submitted for consideration by the examiner:

U.S. Patent #6,366,721

Inventor: Hu et al.

Issued: Apr. 2, 2002

25 Filed: Jan 21, 2000

This patent describes an optical fiber bonded to a
bimetallic strip (col 4 line 3-25).

U.S. Patent #6,011,881

Inventor: Moslehi et al.

Issued: Jun 4, 2000

5 Filed: Dec 29, 1997

This patent describes a tunable filter comprising a grating in combination with a variable index of refraction material (col 4 line 39-42).

10 U.S. Patent # 6,453,108

Inventor: Sirkis

Issued: Sept 17, 2002

Filed: Sept 30, 2000

This patent describes a temperature compensation system for
15 a fiber bragg grating (col 2 line 38-43).

U.S. Patent #6,411,746

Inventor: Chamberlain et al.

Issued June 25, 2002

20 Filed: Jan 18, 2000

This patent describes a thermally tunable optical filter comprising a heater coupled to a grating (col 1 line 35-37).

U.S. Patent #6,594,410

25 Inventor: Kersey et al.

Issued July 15, 2003

Filed: Dec 29, 2000

This patent describes a grating in tension which is tuned by a piezoelectric block (col 12 lines 29-47).

U.S. Patent #5,357,097

5 Inventor: Shiozawa et al.

Issued: Oct 18, 1994

Filed: Nov 25, 1992

This patent describes a controller for an acousto-optic fiber.

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U.S. Patent #6,275,629

Inventor: Eggleton et al.

Issued: Aug 14, 2001

Filed: Oct 30, 1998

15 This patent describes an adjustable chirp grating whereby a heating gradient applied across the extent of the grating results in a chirp bandwidth (col 4 lines 38-49).

U.S. Patent #4,268,116

20 Inventor: Schmadel et al

Issued: May 19, 1981

Filed: Oct. 26, 1979

This patent discloses an external grating which can be rotated over an optical fiber to achieve tuning via the
25 modification of grating pitch as described in col 5, lines 5-16.

U.S. Patent #4,622,663

Inventor: Ishikawa et al

Issued: Nov. 11, 1986

Filed: Jan 22, 1985

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This patent describes optical filters utilizing photo-sensitive photoresist materials exposed with a laser interference pattern, and also discloses a tunable filter utilizing a rotating grating as in col 7, line 10-26.

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U.S. Patent #5,237,576

Inventor: DiGiovanni

Issued: Aug. 7, 1993

Filed: May 5, 1992

15 This patent describes in-fiber gratings as applied to a pumped ion laser amplifier, and a discussion on the fabrication of the in-fiber grating is found in col 4, lines 29-53.

20 U.S. Patent #6,597,822

Inventor: Moslehi et al.

Issued: July 22, 2003

Filed: Apr 2, 1999

25 This patent discloses gratings which may be used for measurement of strain (col 3 line 25-31).

U.S. Patent #4,986,623

Inventor: Sorin

Issued: Jan 22, 1991

Filed: May 15, 1989

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This patent discloses a variable pitch grating in contact with a side-polished fiber (col 4 line 39-49).

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Publication Title: "A single mode fiber evanescent grating reflector", Journal of Lightwave Technology LT-3:1041-1045 (1985)

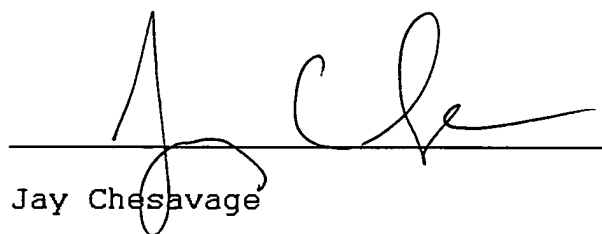
Author: Sorin and Shaw

15 This publication describes gratings fabricated external to the core of an optical fiber.

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Respectfully Submitted,

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